Date Printed: 05/09/2015 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

5/8/2015

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	09_VTGrad_0215m	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC
00:00	17.1	19.0	20.1	21.1	1.94	3.04	4.03	1.10	2.10
01:00	16.2	18.1	18.8	19.8	1.90	2.55	3.57	.65	1.67
02:00	15.5	17.0	17.8	18.8	1.48	2.29	3.22	.80	1.74
03:00	15.2	16.5	16.9	17.8	1.31	1.80	2.64	.49	1.33
04:00	14.4	15.9	16.9	18.4	1.50	2.41	3.96	.91	2.47
05:00	14.1	15.5	16.0	16.9	1.40	1.87	2.76	.47	1.37
06:00	13.8	15.3	15.8	16.8	1.47	1.92	2.93	.45	1.46
07:00	14.8	15.7	15.9	16.5	.89	1.08	1.64	.19	.75
08:00	18.2	18.0	17.8	17.8	-.22	-.46	-.45	-.24	-.23
09:00	20.7	20.2	19.9	19.8	-.58	-.86	-.97	-.28	-.39
10:00	22.9	22.1	21.8	21.7	-.72	-1.08	-1.15	-.35	-.43
11:00	25.3	24.4	24.0	23.9	-.89	-1.21	-1.32	-.32	-.43
12:00	27.1	26.0	25.6	25.5	-1.07	-1.41	-1.57	-.35	-.50
13:00	28.4	27.3	26.9	26.7	-1.12	-1.49	-1.68	-.36	-.55
14:00	29.3	28.1	27.8	27.5	-1.15	-1.51	-1.73	-.36	-.58
15:00	30.0	28.9	28.5	28.3	-1.13	-1.51	-1.71	-.38	-.58
16:00	30.1	29.4	29.0	28.8	-.77	-1.12	-1.30	-.35	-.53
17:00	30.2	29.6	29.3	29.1	-.60	-.90	-1.02	-.30	-.42
18:00	29.4	29.2	29.0	29.0	-.17	-.37	-.39	-.20	-.23
19:00	26.2	28.1	28.5	28.7	1.85	2.22	2.44	.37	.60
20:00	23.0	25.3	26.3	27.4	2.28	3.26	4.38	.97	2.10
21:00	20.8	23.4	24.2	25.2	2.57	3.35	4.41	.78	1.84
22:00	19.8	21.7	22.3	23.2	1.97	2.54	3.45	.57	1.48
23:00	19.3	21.0	21.5	22.4	1.73	2.21	3.10	.48	1.37
Avg	21.7	22.3	22.5	23.0	.58	.78	1.22	.20	.64
Max	30.2	29.6	29.3	29.1	2.57	3.35	4.41	1.10	2.47
Hr. of Max	17	17	17	17	21	21	21	00	04
Min	13.8	15.3	15.8	16.5	-1.15	-1.51	-1.73	-.38	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/8/2015

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m
Hour	DEGC	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	G/M3	COUNT
00:00	13.4	13.6	14.6	22.5	80.2	72.0	11.5	11.6	0.009858
01:00	13.2	13.7	14.2	22.2	83.8	76.8	11.4	11.7	0.009759
02:00	13.1	13.7	13.9	22.0	86.9	82.3	11.4	11.8	0.009683
03:00	13.1	13.8	13.8	21.7	89.0	85.8	11.4	11.9	0.009663
04:00	12.7	13.9	13.3	21.5	90.9	89.2	11.1	11.9	0.00943
05:00	12.7	14.0	13.2	21.2	92.1	92.0	11.1	12.0	0.009374
06:00	12.5	14.0	12.9	21.0	92.7	93.2	10.9	12.0	0.009244
07:00	13.1	13.5	13.7	20.7	91.1	88.6	11.4	11.7	0.009664
08:00	14.5	13.9	15.7	20.5	80.5	78.5	12.3	11.9	0.010599
09:00	15.0	14.3	16.9	20.4	71.0	70.5	12.6	12.1	0.010931
10:00	15.2	14.7	17.8	20.4	63.5	64.0	12.8	12.3	0.011149
11:00	15.0	14.4	18.4	20.7	54.5	55.2	12.5	12.1	0.011046
12:00	14.5	14.1	18.7	21.3	47.5	49.0	12.1	11.8	0.010715
13:00	14.0	13.7	18.8	22.0	42.5	44.3	11.7	11.4	0.010394
14:00	13.3	13.1	18.6	22.8	38.5	40.7	11.1	11.0	0.009915
15:00	11.4	11.0	17.6	23.2	32.7	34.0	9.8	9.6	0.008803
16:00	11.2	10.8	17.5	23.5	32.1	32.6	9.7	9.5	0.008702
17:00	11.8	11.4	17.9	23.7	33.2	33.6	10.1	9.9	0.009019
18:00	13.3	12.4	18.7	23.8	38.7	36.6	11.2	10.5	0.009997
19:00	15.8	13.5	19.3	23.9	54.2	41.8	13.1	11.3	0.01165
20:00	15.6	14.1	18.1	23.8	64.6	51.3	13.1	11.8	0.011473
21:00	15.0	14.7	16.9	23.7	70.7	59.6	12.6	12.3	0.010981
22:00	15.0	15.2	16.6	23.5	75.6	67.9	12.7	12.8	0.011011
23:00	15.3	15.7	16.6	23.3	79.5	73.1	12.9	13.2	0.011204
Avg	13.7	13.6	16.4	22.2	66.1	63.0	11.7	11.6	0.010178
Max	15.8	15.7	19.3	23.9	92.7	93.2	13.1	13.2	0.01165
Hr. of Max	19	23	19	19	06	06	20	23	19
Min	11.2	10.8	12.9	20.4	32.1	32.6	9.7	9.5	0.008702
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/8/2015

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG
00:00	0.009989	15.4	15.6	.00	29.18	988.1	-1.2	.00	307.6
01:00	0.010085	15.3	15.8	.00	29.18	988.1	-2.2	.00	4.9
02:00	0.010083	15.1	15.8	.00	29.18	988.0	-1.1	.00	259.5
03:00	0.01014	15.1	15.8	.00	29.17	987.9	-2.4	.00	351.6
04:00	0.010192	14.8	15.9	.00	29.18	988.1	-3.4	.00	249.9
05:00	0.010237	14.7	16.0	.00	29.18	988.3	-3.7	-.01	330.5
06:00	0.01022	14.5	16.0	.00	29.20	988.8	1.1	.00	23.5
07:00	0.009942	15.1	15.6	.00	29.22	989.4	76.7	.11	84.7
08:00	0.010195	16.6	16.0	.00	29.23	990.0	279.2	.40	97.3
09:00	0.010471	17.1	16.4	.00	29.24	990.1	496.7	.71	105.6
10:00	0.010745	17.4	16.8	.00	29.23	989.8	699.9	1.00	85.6
11:00	0.010602	17.3	16.6	.00	29.22	989.5	848.5	1.22	152.2
12:00	0.010387	16.8	16.2	.00	29.21	989.1	936.3	1.34	169.8
13:00	0.010147	16.2	15.9	.00	29.18	988.3	977.5	1.40	127.1
14:00	0.009772	15.5	15.3	.00	29.16	987.5	960.8	1.38	94.6
15:00	0.008568	13.8	13.4	.00	29.14	986.8	879.4	1.26	87.8
16:00	0.008454	13.6	13.2	.00	29.12	986.2	651.1	.93	102.1
17:00	0.00881	14.1	13.8	.00	29.11	985.9	306.7	.44	297.9
18:00	0.009388	15.6	14.7	.00	29.11	985.8	222.7	.32	290.8
19:00	0.010046	18.1	15.7	.00	29.11	985.8	122.3	.18	279.7
20:00	0.010444	17.9	16.3	.00	29.12	986.1	5.6	.01	298.7
21:00	0.010833	17.1	16.9	.00	29.13	986.6	-1.3	.00	354.6
22:00	0.011158	17.2	17.4	.00	29.15	987.2	-3.6	-.01	18.3
23:00	0.011465	17.5	17.9	.00	29.15	987.2	-3.5	.00	330.1
Avg	0.010099	15.9	15.8	.00	29.17	987.9	310.1	.45	16.0
Max	0.011465	18.1	17.9	.00	29.24	990.1	977.5	1.40	354.6
Hr. of Max	23	19	23	23	09	09	13	13	21
Min	0.008454	13.6	13.2	.00	29.11	985.8	-3.7	-.01	4.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/8/2015

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	223.4	246.7	295.4	248.1	58.2	33.4	6.8	.1	1.5
01:00	59.9	216.3	8.8	227.4	64.9	35.2	31.1	.2	.8
02:00	260.4	227.6	238.8	257.9	59.8	39.0	36.2	.7	.3
03:00	65.7	76.2	354.0	79.5	46.5	32.1	28.0	.1	1.3
04:00	262.6	245.0	249.8	249.5	43.1	34.3	39.7	1.1	.4
05:00	21.6	110.4	326.8	103.4	35.7	68.3	33.6	.3	.5
06:00	51.6	32.0	29.5	22.8	32.4	33.7	36.9	.4	1.3
07:00	77.3	7.0	88.7	4.7	56.5	12.1	35.2	.3	1.1
08:00	87.2	73.1	111.3	66.7	45.2	39.1	35.9	.4	.4
09:00	112.8	117.1	106.7	113.6	33.4	28.2	34.4	1.8	1.7
10:00	103.4	117.2	91.1	114.8	33.6	36.0	44.6	1.7	1.5
11:00	163.7	186.5	153.6	183.6	48.5	58.8	66.3	1.4	1.3
12:00	166.4	154.6	176.9	155.9	55.1	59.9	61.5	1.3	1.0
13:00	131.4	129.9	132.3	129.2	44.0	46.2	46.7	2.2	2.4
14:00	90.7	85.7	96.8	80.8	44.1	43.7	46.6	3.2	3.4
15:00	87.5	84.3	92.9	78.4	66.7	58.6	46.8	2.2	2.6
16:00	81.4	21.3	143.5	11.7	53.0	45.2	46.8	1.1	1.0
17:00	302.2	292.2	295.1	290.8	57.1	51.2	48.7	1.3	1.7
18:00	296.1	293.1	289.7	291.2	25.3	17.1	13.6	1.5	2.4
19:00	251.0	253.0	279.0	254.0	15.4	10.1	7.5	1.3	2.3
20:00	237.8	234.1	296.3	235.4	10.5	8.3	5.9	.8	1.2
21:00	57.2	183.1	2.4	182.7	49.5	23.6	31.1	.2	.6
22:00	61.9	61.2	21.3	54.9	55.5	16.2	13.1	.2	1.1
23:00	68.2	93.9	327.4	91.9	40.5	28.1	26.5	.4	.2
Avg	88.0	131.0	19.0	122.0	44.8	35.8	34.3	.0	.0
Max	302.2	293.1	354.0	291.2	66.7	68.3	66.3	3.2	3.4
Hr. of Max	17	18	03	18	15	05	11	14	14
Min	21.6	7.0	2.4	4.7	10.5	8.3	5.9	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/8/2015

Interval: 001h

	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH
00:00	4.0	.6	1.7	4.1	1.0	4.4	2.0	2.6	.03
01:00	.2	.4	.9	.6	.6	1.0	3.0	-.3	.04
02:00	.1	.7	.4	.2	1.0	.5	1.2	-.5	.01
03:00	1.1	1.1	1.3	1.5	1.4	1.9	1.1	1.0	.03
04:00	1.6	1.3	.9	2.2	1.8	2.6	.5	.2	.00
05:00	.9	.9	1.0	1.5	1.2	1.9	1.3	.9	.02
06:00	1.2	.6	1.4	1.2	1.0	1.6	1.8	1.7	.04
07:00	1.4	.4	1.1	1.5	.7	1.9	1.4	1.8	.03
08:00	.9	.4	.7	1.1	1.0	1.6	4.8	-3.0	.15
09:00	1.5	2.0	1.9	1.8	2.5	2.4	.7	-3.5	.03
10:00	1.4	1.8	1.7	1.7	2.5	2.4	-5.3	-12.6	-.18
11:00	1.3	2.4	2.4	2.5	3.1	3.3	2.8	6.2	.08
12:00	1.1	2.9	3.1	2.9	3.5	3.6	-.3	-2.4	-.05
13:00	2.6	3.8	3.9	3.8	4.5	4.5	-2.4	-6.6	-.13
14:00	3.6	4.3	4.6	4.7	4.8	5.3	.5	.7	-.01
15:00	3.1	3.3	3.8	3.8	4.0	4.6	.4	-2.9	-.04
16:00	1.2	2.7	2.6	2.7	3.5	3.4	4.4	-4.5	.24
17:00	2.0	2.3	2.5	2.7	2.7	3.2	-.7	2.7	-.09
18:00	2.8	1.7	2.6	2.9	2.1	3.1	1.5	-2.9	-.05
19:00	3.1	1.4	2.5	3.1	1.6	3.4	-2.0	-1.1	-.07
20:00	2.4	.8	1.2	2.4	1.0	2.7	2.1	.0	.03
21:00	.2	.3	.8	.2	.5	.5	3.3	-.7	.04
22:00	.8	.3	1.2	.9	.6	1.3	3.4	-1.5	.04
23:00	.8	.8	1.4	1.3	1.1	1.7	2.6	-.3	.04
Avg	.0	1.6	1.9	2.1	2.0	2.6	1.2	-1.0	.01
Max	4.0	4.3	4.6	4.7	4.8	5.3	4.8	6.2	.24
Hr. of Max	00	14	14	14	14	14	08	11	16
Min	.1	.3	.4	.2	.5	.5	-5.3	-12.6	-.18
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/8/2015

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.20	2.3	5.5	7.6	2.6	8.2	10.5	4.2
01:00	.00	2.1	2.3	2.3	2.0	2.1	8.9	6.0
02:00	.00	2.7	2.1	1.8	3.2	2.0	6.0	5.7
03:00	.05	3.0	3.0	3.2	3.0	3.7	5.8	5.7
04:00	.04	3.7	4.1	5.3	4.3	5.6	8.0	7.7
05:00	.03	2.3	3.0	3.7	2.6	4.2	7.3	8.2
06:00	.09	2.3	4.1	3.9	3.1	4.4	8.6	10.2
07:00	.08	1.6	2.5	3.9	2.0	4.6	10.0	8.1
08:00	-.08	3.0	3.7	4.8	3.9	5.7	29.0	20.9
09:00	-.23	6.0	6.0	5.0	6.6	5.8	25.4	30.3
10:00	-.60	5.5	5.3	5.5	10.3	5.8	31.4	35.4
11:00	.18	10.8	7.3	6.4	8.4	8.3	27.3	33.6
12:00	-.28	8.2	8.9	7.8	9.1	8.8	27.1	32.6
13:00	-.50	11.0	11.4	10.8	11.8	11.3	22.6	29.0
14:00	.04	10.1	11.4	11.4	11.2	15.0	22.5	24.6
15:00	-.14	11.4	12.1	11.2	13.4	12.3	26.5	32.0
16:00	-.01	9.8	8.9	8.9	12.1	10.4	25.9	31.1
17:00	.05	6.4	7.3	6.6	7.2	8.0	26.5	27.8
18:00	-.26	8.7	7.1	7.3	6.3	6.7	19.5	14.1
19:00	-.07	4.1	7.8	7.3	3.1	4.8	8.1	3.6
20:00	.01	3.7	3.4	5.0	2.1	4.5	6.5	2.8
21:00	-.01	1.1	2.1	1.1	1.4	1.5	7.2	7.6
22:00	-.04	1.4	2.5	2.7	1.6	3.2	8.4	5.4
23:00	.01	6.0	8.2	9.2	6.5	10.1	9.5	8.8
Avg	-.06	5.3	5.8	5.9	5.7	6.5	16.2	16.5
Max	.20	11.4	12.1	11.4	13.4	15.0	31.4	35.4
Hr. of Max	00	15	15	14	15	14	10	10
Min	-.60	1.1	2.1	1.1	1.4	1.5	5.8	2.8
Count	24	24	24	24	24	24	24	24
Total								